PATENT COOPERATION TREATY

INTERNA	TIONAL SEAR	CHING AUTH	ORITY										
CALFEE 1100 FIF	. MYERS-PAYN E, HALTER & GI TH THIRD CEN	RISWOLD LLI TER		PCT WRITTEN OPINION OF THE									
21 EAST STATE STREET COLUMBUS, OH 43215				INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year)									
							Applicant's or agent's file reference 22727/04286				FOR FURTHER ACTION See paragraph 2 below		
							Internatio	nal application N	0.	International filing date	e (day/month/year) Priority date (day/month/year)		
PCT/US05/02929			27 January 2005 (27.01.2005)		27 January 2004 (27.01.2004)								
			r both national classificat										
IPC: USPC:	A61K 38/18 (200 514/2,12	06.01);C 07K 1 4	4/475 (2006.01), 14/49 (20	006.01)									
Applicant													
гне онг	O STATE UNIV	ERSITY RESE	ARCH FOUNDATION										
1. This c	opinion contains i	ndications rela	ting to the following item	s:									
Box No. I Basis of the opinion													
Box No. II Priority													
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability													
Box No. IV Lack of unity of invention													
								BOX 140, V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Box No. VI												
	Box No. VII	Certain defec	ts in the international app	lication									
	Box No. VIII	Certain obser	vations on the internation	al application									
2. FURT	THER ACTIO	N											
Author	ity other than thi	ry Examining is one to be the	Authority ("IPEA") exc	ept that this does PEA has notified t	be considered to be a written opinion of the not apply where the applicant chooses an he International Bureau under Rule 66.1 <i>bis(b)</i> ered.								
IPEA a	i written reply to:	gether, where a	considered to be a writte ppropriate, with amendm piration of 22 months from	ents, before the ex	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later								
For furt	ther options, see l	Form PCT/ISA	/220.	1 2200,									
3. For furt	ther details, see n	otes to Form Po	CT/ISA/220.										
					1/2								
lame and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Date of completi			Date of completion	on of this opinion	Authorized officer								
Commissioner for Patents P.O. Box 1450			23 June 2008 (23	.06.2008)	Christine J. Saoud								
Alexandria, Virginia 22313-1450					Telephone No. 703-308-0196								
	o. (571) 273-3201 A/237 (cover shee												

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US05/02929

Box No	o. I Basis of this opinion							
1. With regard to the language, this opinion has been established on the basis of:								
\boxtimes	the international application in the language in which it was filed							
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).							
2.	This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this							
3. With	Authority under Rule 91 (Rule 43 <i>bis</i> .1(a)) 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been							
	ished on the basis of:							
a.	type of material							
	a sequence listing							
	table(s) related to the sequence listing							
b.	b. format of material							
υ.	K-2							
	on paper							
	in electronic form							
c.	time of filing/furnishing							
	contained in the international application as filed.							
	filed together with the international application in electronic form.							
	furnished subsequently to this Authority for the purposes of search.							
4.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.							
5. Additi	onal comments:							
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (April 2007)

International application No. PCT/US05/02929

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. Statement							
Novelty (N)	Claims	1-24	YES				
Novelty (IV)		NONE					
Inventive step (IS)	Claims	1-24					
	Claims	NONE	NO				
			VEO				
Industrial applicability (IA)		1-24	NO				
	Claims	NONE	14O				
2. Citations and explanations: Claims 1-24 meet the criteria set out in PCT Article 3 of the instant claims. The dependent claims require t Claims 1-24 meet the criteria set out in PCT Article 3	the protein whi	ch is not taught or suggested in the	prior art.				
claimed can be made or used in industry.	(-//						
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